

CONFIDENTIAL

File 60516

PROGRESS REPORT

FOR

MONTH OF FEBRUARY 1960

ORIGINAL CLEY 235979
☐ DECL ☒ REVW ON 2010
EXT BYND 6 YRS BY SAME
REASON 3 & (3)

30 TO 1000 MC ANTENNA

DOC <u>32</u>	REV DATE <u>29 APR 1960</u>	BY <u>018373</u>
ORIG COMP <u>33</u>	OPI <u>52</u>	TYPE <u>03</u>
ORIG CLASS <u>M</u>	PAGES <u>1</u>	REV CLASS <u>C</u>
JUST <u>22</u>	NEXT REV <u>2010</u>	AUTH: NR 18-2

Purpose: To design, develop, and fabricate five antennas for a frequency range of 30-1000 mc. The antennas will be for outdoor use and be capable of being disassembled into 6 foot lengths or less.

Personnel: Electrical Engineer:
Mechanical Engineer:

25X1

Status: Fabrication of the antennas is essentially complete. Full scale measurements have been completed with satisfactory results. Calculated gain of the antenna based on the directivity as determined from the principle plane patterns average better than 7.0 db referenced to an isotropic radiator. (The VSWR over the band measured less than 2:1) A measurement of the actual gain of the antenna was made and found to agree closely with that calculated from the directivity.

Future Plans: Shipment of the antennas will be made during the first part of March.

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